BRUHAT BANGALORE MAHANAGARA PALIKE

DasarahalliZone

Detailed Estimate for Providing street lights and fittings in Dasarahalli ward no.15 in dasarahalli subdivision

Budget Head ...P1771 Zone works-POW works **JOB CODE:015-17-000016**

Division No..... Estimate No. 05/7.2.2017 For Rs. **500000.00**

Sl. No.	SR Page & SL No	Description of Work	Qty.	Rate Ps.	Unit	Amount
1	SR 2007-08	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group 'A' PWD SR 2007-08	2	4200.00	Each	8400.00
2	6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	2	9915.00	Each	19830.00
3	47/6.16.2	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. 40-63 Amps SP Group 'A'	2	677.00	Each	1354.00
4	2/1.1.3	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe,,,,,,,,,,, dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screws.c)32mm dia 2.5mm thick	18	100.00	Per Mtr	1800.00
5	6/2.6.7	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	20	132.00	Per Mtr	2640.00
6	6/2.5.3	b)1.5 sqmm	130	18.60	Per Mtr	2418.00
7	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	5	263.00	Per Mtr	1315.00

8	4.35.3	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 65watts	23	18720.00	each	430560.00
9	108/17.2.2	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 32mm dia G.I.pipe	23	893.00	each	20539.00
10	50/6.421	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility. 300mmx300mmx214mm	2	4266.00	Each	8532.00

/5.11	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	50	30.00	Per Mtr	1500.00
4/5.9.1	1.1 KV Pin Insulator	2	44.00	Each	88.00
33/5.4.2	2 Pin 45x45x5mm -510mm	2	306.00	Each	612.00
	Missallaneos				412.00
	Total				**500000.00**

TIFICATE

The Place was inspected and work is essential.

. The Provision made in the estimate is adequate and are necessary.

3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.

4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 /lowest quotation rates/ approved rates.

Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
Sub-Division No.
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
DASARAHALLI DIVISION
BRUHAT BANGALORE MAHANAGARA PALIKE

ಸಂ:05 ಕಾಂಪ್ರ(ಎ)ದಾವ 2016-17 200 - 200
ದಿನಾಂಕ 8.2.2017 ರೂ 500000/-
ಐದು ಲಕ್ಷ ಮಾತ್ರ
ಅಂದಾಜು ಮೊತ್ತಕ್ಕೆ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಮೇಲ್ ಸಂಖ್ಯೆ 21 ದಿನಾಂಕ 05
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು (ಎ)
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

ಸಂಖ್ಯೆ: ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ಕಾಂಪ್ರ : 09/ 2016-17 200 - 200
ದಿನಾಂಕ: 8.2.2017 ಅಂದಾಜು ಪ್ರಕ್ರಿಯೆಯನ್ನು ರೂ 500000/-
ಅಕ್ಷರಗಳಲ್ಲಿ ಐದು ಲಕ್ಷ ಮಾತ್ರ
ಗಳಿಗೆ ಮಾತ್ರ 2016-17 200 - 200 ರ ಆಡಳಿತಾತ್ಮಕ ಕಾಂಪ್ರಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಟಿ. ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.